Publication number:

0 246 758

(12)

EUROPEAN PATENT APPLICATION

Application number: 87303530.7

Int. Cl.4: B 01 D 53/34

Date of filing: 22.04.87

Priority: 23.04.86 JP 93592/86

Applicant: BABCOCK-HITACHI KABUSHIKI KAISHA, 6-2, 2-chome, Ohtemachi Chiyoda-ku, Tokyo 100 (JP)

Date of publication of application: 25.11.87 **Bulletin 87/48**

Inventor: Ishiguro, Oklkazu, 4-7-4 Yakeyama-Honzyo, Kure (JP)

Inventor: Nishimura, Masakatsu, 10-47-2201 1-chome, Shimizu Kure (JP) Inventor: Nozawa, Shigeru, Hitachi-Higashi

Designated Contracting States: DE GB IT

Apartment 4315, 10563-1 Hiro Machi Kure (JP) Inventor: Kamogawa, Hiromi, 4-9-25 Yakeyama-Higashi, Kure (JP)

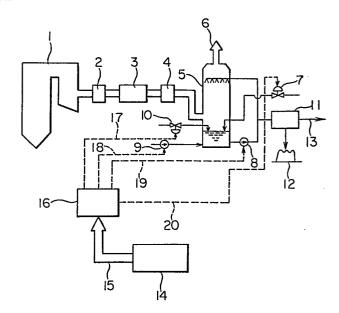
inventor: Kawano, Shigeyoshi, Hitachi-Sori Shataku 1090, 3-5-8 Higashi-chuoh Kure (JP)

Date of deferred publication of search report: 17.08.88 Bulletin 88/33

Representative: Williams, Trevor John et al. J.A. KEMP & CO. 14 South Square Gray's Inn, London WC1R 5EU (GB)

Method for controlling wetprocess flue gas desulfurization.

67) Optimum overall operation of a whole plant including a combustion unit such as a boiler (1) and a wetprocess flue gas desulfurization unit (5) comprising an absorption column for removing sulfur dioxide from a flue gas from the combustion unit by absorption using a slurry of an absorbing agent such as limestone powder circulated through absorption column, recycle pumps (8) for circulating the slurry through the absorption column and oxidation air blowers (9) for supplying an oxidation air to the absorption column and a recycle tank is controlled by anticipating a future pH value of the circulating slurry and a future inlet sulfur dioxide content of the flue gas from a present pH value of the circulating slurry and a present inlet sulfur dioxide content of the flue gas and their change rates by computing, anticipating a future desulfurization ratio from both the anticipated pH value and inlet SO2 content and a recycle rate of the slurry, and controlling the recycle rate of the circulating slurry on the basis of the anticipated desulfurization ratio, where a desired desulfurization ratio can be readily and continuously maintained against any change in fuel species and load of a boiler with reduced utility consumption.







EUROPEAN SEARCH REPORT

EP 87 30 3530

					EP	87 30 35
	DOCUMENTS CONSI	DERED TO BE	RELEVANT	Γ		
Category	Citation of document with indication, where appr of relevant passages		opriate, Relevant to claim		CLASSIFICATION OF THE APPLICATION (Int. Cl.4)	
Α	US-A-3 767 765 (GU * whole document *	STAVSSON et a	1.)	1	B 01 D	53/34
Α	PATENT ABSTRACTS OF 66 (C-271)(1789), 2 - A - 59 199 021 (M 12-11-1984	6th March 198	5; & JP	1,3,5		
A	PATENT ABSTRACTS OF 96 (C-278)(1819), 2 - A - 59 225 723 (M 18-12-1984	5th April 198	5; & JP	1,2		
A	DE-A-3 523 820 (MI * page 10, line 32 claims 1,3; figure	- page 11, li	GYO) ne 31;	1,2,6		
					TECHNICAI SEARCHED	
					B 01 D C 01 F	
			-			
	The present search report has been drawn up for all claims					
· · · · · · · · · · · · · · · · · · ·			tion of the search	Examiner		
BERLIN 03-05-		03-05-1	1988 HILD			
X : particularly relevant if taken alone Y : particularly relevant if combined with another		T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons A: member of the same patent family, corresponding document				